SELECTION OF FERTILIZERS | TOBACCO MARKETS ARE RESUMING SOME ACT **DEMANDS** CLOSE THOUGHT

Theory and Practice as They May Be North Carolina are beginning to show Worked in the Long Run by Workers.

Chesterfield County Folks Discuss the North Carolina there has been very litprise Them-Get 'Em Thinking.

A man of Chesterfield County a new comer it may be said, writes the Industrial Section a letter on fertilizer that it may have large interest. He

"A farm demonstrator while giving Instructions on a farm near where the three counties of Amelia. Chesterfield and Powhatan meet, the crop being late potatoes, when asked what fer tilizer should be used, said that any fertilizer would do. The farmer said on hand and was told by the demonstrator that this would be all right It was used accordingly.

"When a dozen farmers met at the production of leaf could be good also Bressions of opinions, was laid over bhable one of the members of the club to write for expert advice on the subect. The first thing done was to se dilizer as printed on the bag. Here it

"Available phosphorus : cld, 8.00 pe

ent; water-soluble nitrogen, .65 per ent; nitrogen, 1.65 per cent; equiva-Jent to ammonia, 2.00 per cent; potash

suppose that there was 14.30 per cent of fertilizing value in the mixture. The experts were asked whether this was good formula for tobacco ther it could be equally good for botatoes. Also what would produce, be the value of the mixture not cov-ered in this analysis. Your readers fair questions and that answers there-to would prove interesting to farmers

Views of the Experts.
The first reply came from Blacks-burg, and rends (condensed) as fol-

termined not only by the requirements of the crop, but also the character of the soll and its previous treatment. The formula given for criticism as to value for potatoes and tobacco is not a suitable formula. In fact, this is one of the lowest-grade fertilizers on

the market, and it is not wise to use such low-grade mixtures. The requirements for potatoes and tobacco, based upon the composition, are very nearly alike. A good potato fertilizer should carry about 4 per cent of nitrogen, 7 to 8 per cent phosphoric scid and 1) per cent potash. mula is suitable for tobacco also, and mitrogen content should be slightly in-

"In the production of potatoes it is true we want roots, but in order to et good root development we should first get good leaf development, but not too rank. Therefore, the nitrogen content is usually a little lower than

your addition, you have duplimula, and the total fertilizer constitu-

which the potash both carry chlorin.
which is detrimental to the quality of the product. The price of potash is now enormously high: there are several materials which can be used to press construction work on the government's failure to press construction work of the product. The price of potash is now enormously high: there are several materials which can be used to press construction work of the product of the product of the product of the progress of the South.

The product of potash both carry chloring that country to set forth these and other slow one slow on

NEW COURTHOUSE

from two sides by parkings 70 feet in extent.

Above the first floor level, which is of Mt. Airy granite, the four elevations are in gray terra-cotta, the texture and color scheme being scarcely form the granite base.

Future.

WASHINGTON. September, 11 Proceedings of the Washington to Atlanta Highway, described in your last

Danville and Some Other Bright Markets Beginning to Put on Airs.

The tobacco markets of Virginia and some activity. It is true that the leaf so far offered has been of the too early and the inferior quality, that is to say, THINGS FARMERS THINK ABOUT on the primings order. So far the markets in Virginia and the bright belt of Fortlizer Business-And They Get tle animation, because the offerings so Some Facts and Figures That Sur- far have been nothing worth getting the Virginia-Carolina markets, and there will be all kinds of animation. all to the good, and it now looks as if years. It is well that they are, for they need just that kind of thing to overcome the fallback they had from he drought and other troubles of last

special report as follows: we have had no sales except a few small offerings of primings now and then, prices for which have ranged from 1 to 7 and 8 cents.

A good deal of cutting and curing has en done during this week, just prior The heavy rains the later part of the week, which seem to have been general, will not be benefi-On the contrary, it ial to the crop. will damage it considerably

sales begin to amount to anything. As showing conditions in North Caro-

of interest: To-day closed the second week of on the local tobacco market, Sales date consisting almost entirely of rst primings, and amounting to about 00,000 pounds at an average of about 9 ents per pound, which is considered an etter grades sell in proportion the ng good prices for their crop of to

The grade of tobacco is very good and though much that is common is showing up in the offerings, yet the primings, as a whole, indicate while the yield promises to be very

The independent buyers seem to be especially active, and the market pre-sents an animated scene, showing a beting of the season last year.

"The application of fertilizers is de-SOMETHING IS GOING ON

Southland is Doing Some Stunts That the Near Future.

BALTIMORE, MD., September 11. Reviewing the industrial interests of the South for a week or more past, the situation as follows:

"Indicative of the growing diversit; South is the establishment in Birm plant of the kind ever started in this section, making a line of small steel agricultural activities which is creat-ing many new lines of work, broadenthe activities and the thought tory things which heretofore the South

onts is 11.65 per cent instead of 14.30 per cent. In this mixture there is only 11.65 per cent of fertilizing value. The created by recent stars re-The balance may be filler or it may garding the increase of corn production in the South; and a Holland orbacco high-grade sulphate of potash should be used as a material from which the notash comes as kainit or

"Along similar lines, as an outcome of Dinwiggie have caught a construction by the expenditure of several million dollars by Houston and are vieing with the boys in readant the formulas."

All of this was reported last week the Clover Hill Club members, and the national government in digning the Houston ship channel and making Houston a scaport, the Texas Portland Cement Company, of Dallas, has begun work on the building of a having rich farms, well stocked with abouts in the use of "fertilizers."

Wake County Gets Right Up to the benville, Ohio, will build by-product CRAFTON TALKS Twentieth Century
Idea.

nection with its iron and steel plant at an estimated cost of about \$2,000,000.

These are typical illustrations of These are typical illustrations of the activities that are in progress here ofty, is among the largest and most and there throughout the South, cov-

RESUMING SOME ACTIVITY DEMONSTRATION WORK DOWN IN OLD DINWIDDIE

County That Is Getting to the Front in Great Shape, and Is There to Stay.

COUNTY GETS TO FOREFRONT

Dinwiddle Comes Right Up With Alfalfa and Other Products-Things That Tell in an Old County That Come Right Up to Back.

S. P. Spain, the demonstration agent of Dinwiddle County, writes of his county as follows:

more favorable circumstances than ever year finds most of our farmers with enough wheat and other grains for Jobbers of dry goods. home supply and some to sell. With better pastures than usual, cattle and other live stock are in good condition for this season of the year, the farmers are more optimistic than they were last year this time.

land the farmers were not compelled to wait to fallow as late as usual. fallowed most of their land early, made much better preparation for seed bed. planted earlier, cultivated better and the following from Rocky Mount have much better corn than for the pass

the peanut clubs, and fifteen boys in ports from the boys in their club work The men, of course, are doing their best, many of them, to equal the boys, with the result that there will also be good elved and a few on oats, but as a general thing the oat crop was poor, the season being unfavorable for this crop. Culture of Alfalfa and Results.

"Alfalfa culture is gaining favor apidly. The people are just learning now profitable it is to grow alfalfa. Seorge Sedivy, a former demonstration gent, of Church Road, had acres of very stiff red clay soil that he had failed to grow corn or tobacco on profitably. He was discouraged, think ing the land was of little value, but sowed same to alfalfa in the fall of 1913, and got a fine stand. The next year he cut four crops, giving him about four tons of hay per acre. This year his alfalfa has been so fine that many rops of alfalfa can be grown in Din crops of aliasta can be grown in Din-widdle. His brother has sown six acres this fall. More people have succeeded in growing alfalfa profitably this year, and more alfalfa is being seeded this fall than ever before. Alfalfa is rapidly

The people are rapidly learning the value of lime on our acid soils, and more of it is being used this fall than now on the market that the farmers somewhat confused as to Good results usually follive stock industry is taking ting pure-bred sires and grading can to urge upon the people the im- of turned-out land." silos are now going up. Many are very much interested in the silo proposi-tion. Whenever I succeed in getting other facts about the resources and the progress of the South
"After many years of improvement work on the Warrior River in Aleba

cement plant on the ship channel to have a capacity of 300,000 barrels of Postland cement annually.

In the bank and an educated, fine pure-bred live stock, modern con-

CRAFTON TALKS OUT

Buckingham and Lunenburg County Booster Makes Some Remarks That Are Worth While.

imposing structures in the old North
State. It is now about completed, and
will be formally dedicated, with elaborate ceremonies. September 12. The
brilding has a frontage of 154 feet and
a depth of 70 feet. It is situated in
the center of a plot of ground about
200 feet square. There is an approach
from two sides by parkings 70 feet
iff extent.

That Are Worth While.

In the current issue of the Manufacturers' Record there is a letter from
J. E. Crafton, Jr., of Alberta, Va. Well,
yes, he is of Alberta, and also of Kenbridge. He is of Brunswick County
in the business conditions of the entire South."

CETTING DEADY FOR PHOLES. is of Virginia, for that is the fact. Anyhow here is what Crafton, of Vir-

VIEWS AND NEAR VIEWS; HINTS AND SUGGESTIONS

Industrial Editor.

This column is open to contributors who have something to say of willing to make hints and suggestions looking to the better develop-ments of the good old States of Vir-ginia, West Virginia and North Carolina, and who can hold their suggestions down in any one issue to from 150 to 200 words. Such communications, addressed to the Industrial Editor, will receive promp

Review and Outlook. R. G. Dunn & Co.'s special report for the Industrial Section reads as fol-

lows:

"Trade conditions in nearly all line have shown marked improvement duris more generally prevalent than at any time since early spring. More than that was heralded all along the line, to the usual number of merchants are sow more grass and grain, and this on the market and the volume of sales has shown a gratifying and caps report an increase same time last year. Collections show an improvement, especially in sections the farmer is again going to be one "The Pig Club has also where at least past of the farmer is again going to be one "The Pig Club has also where at least past of the farmer is again going to be one "The Pig Club has also where at least past of the farmer is again going to be one "The Pig Club has also where at least past of the farmer is again going to be one "The Pig Club has also where at least past of the farmer is again going to be one to the farmer is again." country districts are still backward. Improvement has also developed in hardware and saddlery lines.

"The labor situation is more nearly normal than at any time during the past year; skilled help is well employed, while day laborers are exper lencing less difficulty in securing work. Canneries are employed to capacity the offering of vegetables being abundant, with prices low, first grade to-matoes bringing from 20 to 25 cents a bushel. "Revenue stamps receipts at Rich-

mond for the month of August exceed those of July by over \$45,000. Rediscounts for the week at the local branch of the Federal a million dollars. while Richmond bank clearings were

colonize returned employees Panama Canal on Maryland farms, and brings out the splendid results being achieved. It then offers the following

"With hundreds of thousands of idle acres in Virginia we would think comsuch colonization. Colonization schemes have proven successful in the West in any number of instances, and whole townships have been built up by the industry of those who had nothing before they took hold of the land. In North Carolina we know of one derson Electric Car Company, says: "It derson which has made good and is now prosperous. There is no reason why Virginia should not, with the aid through its various phases of developof her capitalists, establish such colo-nies for those who might become ex-cellent citizens, but for the fact that they are without the requisite capital with which to begin farming."

Make All the South Beautiful "No peolpe," says the Progressive Farmer, "can be what they ought to unless they live amid beautiful surroundings, and there is no excuse for any farmer in the South not having a pretty farm and home. ful wherever the farmer does his partwherever gullies, stumps and sprouts are eliminated and fields kept large, to see a live stock and eliminated and neids kept large, whole and symmetrical instead of behope can be done in larged and spotted with neglected and larged and spotted with neglected learning ranged and hedgerows and heartsickening patches

COAL FIELDS OPENING UP

Virginia Lines to He Brought Into Thought About.

is now enormously high: there are several materials which can he used to supply potash, such as totacce stems, wood ashes, tobacce dust, etc. Cottonseed meal used to supply nitrogen also gives some potash, as it carries as well as this expert advice is that it is foolish. The conclusion to be arrived at from this expert advice is that it is foolish. The conclusion to be arrived at from this expert advice is that it is foolish. The conclusion to be arrived at from this expert advice is that it is foolish. The conclusion is the products and there is no the products down the Warrior to dotter products down the Warrior to mode and the points. Half a dozen or more leading steel and coal companies of the Birmingham district have promptly commenced the utilization of water transportation, and as an outcome of this shows:

Formula for tobacco—500 pounds girled blood, 18 per cent available phosphoric acid, 504 pounds digh-grade sulphate of potash. This mixture contains the potash. This mixture contains the potash. This mixture contains the products and other goods for products and other goods for products and other goods for products and other good square feet of warehouse of the contains the potash. This mixture contains the products and other good square feet of warehouse of the contains the potash. This mixture contains the products and other good square feet of warehouse the products and other good square feet of warehouse of the contains the products and other good square feet of warehouse of the contains the products and other good and the good of the products and the good of good of the products and the good of t

SOME FACTS FROM AFAR

Items of a More or Less Interesting Character That Come From All Over the World.

Coffins are being made of paper in It is said that about 1,400 earth tremors were felt in Japan last year.

The government of Japan is planning

popular. American factories turned out table 150,000 pairs in 1899, 5,213,000 pairs in 1899, and still larger quantities now. The second still larger quantities are second and farm work, arouse their enthusiasm, Fifteen million rats have been killed as part of the preventive measures against the spread of plague, made by the metropolitan police board of the

AUTOMOBILE NEWS FROM THE WORLD-WIDE FIELD

Southern Appalachian Good Roads district agent of the farm demonstra-Association to Meet in Bluefield, W. Va., in October.

LARGE ATTENDANCE EXPECTED

E. N. Coleman, of Penola, Va., Completes Trip to Frisco and Return in Car He Had Used Three Years. Wheat Crop 1,000,000 Bushels.

The annual meeting of the Southern

Appalachian Good Roads Association

has been announced for October 13-15,

and will be held in Bluefield, W. Va.

The secretary, C. B. Scott, has cir-

culated announcements for the meetdrought of last fall caused many of our ing the past week. An optimistic tone ing, and it is expected that there will be a large attendance, The annual crop report compiled by the Continental and Commercial Na-tional Bank of Chicago, shows that at the State Fair it will be the lar-in winter must be sheltered or perish the production of the five leading grain crops of this country surpasses last gest exhibit of its kind ever seen in year's by over 600,000,000 bushels, and, Virginia. The business men and bankaggregate, is the largest in

> of the largest buyers of motor cars in the country For the first time in the history of the country has the wheat crop-reached a billion bushels, and with the high prices, the automobile dealers and anufacturers are going to have history of the industry.

demonstrated its superiority over horse tal, or mule power our country goes on in the old Civil War atmosphere with its national encampments, using the same old two and four-horse or mule same old two and wagons, moving at the same mule pace and with the same mule capacity, says the Commercial Vehicle. The New York encampment with its 5,000 men has only five motor trucks of its own; true, there are a few loaned by zealous makers and dealers, but to all intents and purposes the army department is still movings at mule pace and with mule capacity. The field kitchens are slowly and laboriously about by four mules, much of the com-missary is so handled; in fact, the mo-The Great Immigration Movement.

The Portsmouth Star speaks at some length on the movement in Maryland to and has not yet become an accepted part of the army.

> Builders of inclosed cars throughout country have all remarked a notice-Increase in the call for insidedriven automobiles. The Car Company-builders of Detroit Electrics-the world's largest manufacturers of inclosed cars, have been forced to extend their production plans for this coming season to provide more than twice as many cars as they W. C. Anderson, president of the

through the past ten years, that there are two very evident reasons for the growing favor the inclosed car is finding among practical motor car buyers. First, because of its construction, the inclosed car provides an equipage chich can be used with the greatest efficiency and comfort every day the year round. So when a man burs an inclosed car he eliminates the expense of an extra body for winter driving, which a touring dar owner is forced to meet-unless he puts his car up for the winter and so loses four or five months The second have knowledge prove conclusively eighty miles. This decrease in touring simply means that the open touring car is becoming less and less a factor among automobiles. Detroit Electric holds its supremacy among inclosed cars, because it offers not only the general advantages of the inside-driven automobile, but also the many further automobile, but also the many further features of comfort, economy, silence cannot be blind to its merits.

A dispatch from Cincinnati says:

"The Louisville and Nashville Railroad Company, according to reports circulated in the coal fields of Harlan and
Letcher Counties. Kentucky, will prob-

FARMERS AND BUSINESS MEN HAVE UNDERSTANDING

Fredericksburg had a great time with ne Farmers' Institute last week. All the Farmers' Institute last week. All icinds of things were doing pretty much all of the week. Perhaps one of the most interesting conferences of the week was that which was held by the Fredericksburg Business Men's Associ-ation with T. O. Sandy, the boss of the farm demonstration work in Virginia, and W. D. Duke, assistant to the president of the Richmond, Fredericksburg and Potomac Railroad.

At this conference Mr. Sandy exat this conference Mr. Sandy ex-plained the proposition by which the counties along the Richmond, Fred-ericksburg and Potomac railroad, Han-over, Caroline, Spotsylvania and Staf-ford, will each be furnished with an expert farm demonstrator at an insignifi-cant cost to each county, considering the advantages to be obtained. The proposition is this: a thoroughly com-petent and expert farm demonstrator will be provided for each of these counties. Such a man as would be se-lected could not be had for less than \$1,500 per annum. Of this sum the The government of Japan is planning to start a factory for the production of carbolic acid from coal tar.

Aluminum street cars have been adopted by a Swiss railway because of the metal's lightness and rust-defying qualities.

Finger nails grow more quickly in summer than in winter. Those on the iniddle finger grow the fastest, and the thumb the most slowly.

Silk hosiery becomes increasingly popular. American factories turned out encourage them to remain on the farm to make a good living, rather than to go to the cities and in many cases prove failures. The farm demonstrator would organize in each county a produce exchange. The object of this will be to

THE BOYS' CLUB WORK IN OLD VIRGINIA AGAIN MISUNDERSTAND

Good Things the Boys Have Been Doing in the Good Old

State. F. S. Farrar, of Amelia County, the

German Boast That Czar's Armies tion work, writes The Times-Dispatch Have Been Destroyed Is as follows: "The Boys' Corn Club work has been

CONSTANCY OF RUSSIANS

Not True.

READY FOR WINTER CAMPAIGN

Great Masses of Cossacks Now Form-

Supply Needed Munitions.

Times, writes

will do next.

ing to Worry Invaders When Snow

[Special Cable to The Times-Dispatch.]

London, September 1c .- Colonel Rep-

"In the midst of desolation, and at

It is true that the com-

ington, military expert for the London

the opening of the bad season, the Ger-

mans will have to decide what they

parative proximity of the German bases and the German methods give the pres-

"The systematic destruction of towns,

villages and farms, and the withdrawal

of all local supplies will certainly af-

fect the German operations most in-

"As in 1812, Napoleon misunderstood

In order to intimidate neutrals, and

peace, the Germans boast that they

have destroyed the Russian armies.

well-defended positions, the Kaiser's

troops will now have to penetrate Rus-

sia at the cost of more losses and at a

season when his armies will waste

campaigning, and will not leave the

enemy in peace. Great masses of Cos-

sacks are forming, and when the snow

freezes will begin to worry the Ger-

mans. Still worse will be the avowal

in the eyes of the world of the failure

attain the aims of the German policy.

"In Russia vast hosts are preparing

to renew the war. In every allied and

neutral country all available factories

are working day and night to supply

effect of these preparations is already

tenance of the Russian rear guards,

and in the offensive operations which

have been undertaken at several points.

Germans could be transferred from the

east to the west to join the 1,800,000

Germans now in the west, they would

would assuredly suffer, they

"No matter what the German deci-

"There is the question not only of

what the enemy proposes to do next,

This, time will show.

Even if during the winter 1,000,000

PREPARING TO RENEW WAR

VAST HOSTS IN RUSSIA

"The Russians have a habit of winter

rapidly by exposure and disease.

Freezes-Neutrals Are Working to

conducted in the South for six years by the United States Department of Agriculture. During this time, 1,750 boys have produced more than 100 bushels of corn to the acre. Of this number, twenty-six have produced nore than 200 bushels per acre. Nearly 75,000 boys are enrolled in the corn clubs for 1915. The outlook for the boys in Virginia is very bright this year. While it is too early to claim any definite yield, the 100-bushel mark will be reached many times, and the general average is going to be excel-

"The corn exhibits will be a special ent enemy advantages which Napoleon at the State Fair it will be the largest exhibit of its kind ever seen in ers have provided a very generous prize

"The Pig Club has also been veloped from this great Corn Club the character of the Czar and the con movement. It was thought that a club for boys who loved live stock would be a good thing, as it would tend to is the old misunderstanding reproduced. develop the much-neglected meat industry of the South, and at the same perhaps lay a basis for an inclusive of the most prosperous years in the thus do away with the 'one crop' systime bring about tem that has played havor with South-ern soils. Pigs were chosen as the After a year of war in Europe in form of live stock best suited, for a Germans and against successive and gives quick returns and good

"The Pig Clubs started in Louisiana in 1910 and have now spread to Vir-ginia, and are also being introduced in the Western States. There were about 6,000 pig club members in 1914, and the prospects indicate that membership will be doubled in 1915.
"Peanut Clubs have also been developed from the Corn clubs, and these boys have much brighter prospects now than last year. The average yield for peanuts in Virginia is about twenty. eight bushels per acre. There will be possibility of the German strategy to "The Peanut Club boys are well provided for with prizes.

"In the five counties contiguous to Petersburg-Prince George, Dinwiddle, Chesterfield, Sussex and Surry, the Beechnut Packing Company has generously donated \$500. Each county receives \$70 in prizes, and the four firstprize winners in each county will be becoming manifest in the firmer coun-given a trip to Petersburg, where they tenance of the Russian rear guards. will be entertained by the J. B. Worth Peanut Company."

NUMEROUS TEXTILE NOTES

Virginia and Carolina Money Shows Up In Good Development.

bers of French, British and Belgians-RALEIGH, N. C. September 11.-Here to say nothing of the mud of Flanders are some facts as to textile develop-ment in North Carolina for a week past. -and, after immense losses, such as It is true that all of the new enterwould be unable to pursue their camprises mentioned are not in this State, but it is true that "Tarheels" are at the head of all of the big concerns paign either east or west with any hope of success. named. The record says: sion is, the allies can regard it with

Panola Cotton Mills, Greenwood, S. has increased capital stock from equanimity. \$300,000 to \$500,000.

reported as about to establish a hosiery but what we and our allies propose to knitting mill.
E. M. Holt Plaid Mills, Burlington, N.
C. will install additional new machin-

ment has been purchased.

Tanner Paint & Oil Co. 1417 and 1419 E. Main St.

Richmond. Va.

Richmond Lumber Co., Inc. LUMBER AND MILL WORK

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The Virso Development Corporation AT THEIR TEMPORARY OFFICE, KENBRIDGE, VA.

Mt. Airy grante the four elevatime are in gray terra-cotta, the strange and color scheme being searcily
distinguishable from the grante has a

Puture.

WASHINGTON. Sentember 11—By
sipport a massive frieze, which in
strange and supports the overlanging comment of the support ON THREE TRUNK LINES, TWO OF THEM COMING DIRECT FROM THE COAL MINES, AND ALL THREE PUTTING VIRSO in quick touch For full particulars write to